Record 24: JP58013605A

(ENG) PREPARATION OF ETHYLENIC COPOLYMER

[no drawing available]

Assignee: SHOWA DENKO KK

Inventor(s): YOKOTA MASAHISA ; SAITOU YUUZOU ; SAKASHITA KIICHIROU ; TAKESHIMA KENJI

Application No: JP 11230181 A

Filing Date: 19810720

Issue/Publication Date: 19830126

Abstract: (ENG) <sec>PURPOSE: To obtain the titled copolymer having improved impact strength, enviromental stress cracking resistance, and molding properties, causing few granular structure and low irregularity of a molded article, by polymerizing two kinds of copolymers having different intrinsic viscosities and a specific viscosity ratio by a Ziegler catalyst having a particular specific activity by two-steps. CONSTITUTION: By using a highly active Ziegler catalyst having a specific activity (RSpH) ≥ 800g/g hr ethylene pressure kg/cm<sp pos="post">2</sp>in polymerization of a polyethylene having an intrinsic viscosity (η) of =1 and a ratio of a specific activity RSpL) in polymerization of a polyethylene having an intrinsic viscosity (η) of ≥2 to the above-mentioned RSpH or 1<RSpL/RSpH<3, 30W70wt% copolymer of ethylene and ≥5C α- olefin having an intrinsic viscosity (η)a</sb> of ≥2 is formed, and 70W30wt% copolymer of ethylene and ≥5C α-olefin having an intrinsic viscosity (η)b</sb>of 0.3W1.0, to give the desired copolymer having a ratio of (η)a</sb> / (η)b</sb>of 4.5W9.0 and an intrinsic viscosity (η)c</sb>of 2.0W3.5. </sec>

Priority Data: JP 11230181 19810720 A X;

IPC (International Class): C08F21016; C08F00200; C08F00464